NLM E-Minute:

Discovering Evidence-Based Resources at NLM

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PubMed defines evidence-based medicine as an approach of practicing medicine with the goal to improve and evaluate patient care and requiring the judicious integration of best research evidence with the patient's values to make decisions about medical care.

Three ways to search PubMed for evidence-based research include:

- **Clinical Queries** ([http://pubmed.gov/clinical](http://pubmed.gov/clinical)): This search engine, accessible from the PubMed homepage, allows the user to focus on clinical study categories and scope.

- **Publication Types**: These identify the particular format of an article. These terms are listed in the left navigation bar; alternatively use [pt] for a specific publication type or find publication types through PubMed Advanced Search Builder drop down menu.

- **Systematic Review Subset**: There is no systematic review publication type*. Instead add systematic[sb] to a search, use the filter under Article Types, or access Clinical Queries.


Created by the National Center for Bioinformatics (NCBI), this resource helps locate clinical effectiveness research. The database includes information on whether a treatment or prevention method works, the benefit and harm of the intervention, and reveals how much is still unknown about this type of care. Content includes:

- **Systematic Reviews**: the most recent version of systematic reviews within the last ten years and focusing on health interventions.

- **Clinical guides**: including NICE Clinical Guidelines, AHRQ Comparative Effectiveness Review Summary Guides for Clinicians, and PDQ Cancer Information Summaries.

- **Consumer health information**: *Health A–Z*: Glossary of curated health information and links to evidence-based consumer information; plus plain language summaries.

Evidence-Based Practice and Health Technology Assessment

This annotated portal was compiled by the National Information Center on Health Services Research and Health Care Technology (NICHSR) and is located on the Health Services Research Information Central (HSRIC) page. Find links to information and resources on:

- Evidence-based practice (domestic and international)
- Health Technology Assessment

in the areas of

- Data, tools, and statistics
- Guidelines, journals, and other publications
- Tutorials
- Key organizations and programs
- Meetings, conferences and webcasts

Other HSRIC portal pages include Comparative Effectiveness Research (CER), public health services and systems research, health informatics, and health literacy and cultural competence.


This collaboration of U.S. government agencies, public health organizations and health sciences libraries gathers and presents information across the public health spectrum. Of particular interest in the area of evidence based research:

- Guidelines (included on several Public Health Topic Pages)
- Healthy People 2020 Structured Evidence Queries (http://phpartners.org/hp2020/): linking to filtered PubMed searches
- Using Knowledge Resources for Evidence-Based Practice (http://phpartners.org/workshopphp.html): files from a workshop on evidence-based public health

The tutorial brochure PHPartners.org (http://phpartners.org/pdf/phpartners_trifold.pdf) offers additional details and information on the PHPartners.org website.

Additional NLM Databases …

- That include patient management and clinical guidelines:
  - LiverTox: http://livertox.nih.gov – Liver injury attributable to medications
  - REMM: http://www.remm.nlm.gov – Radiation Emergency Medical Management:
- That include test results:
  - ClinicalTrials.gov: http://clinicaltrials.gov – Look for the Study Results option
  - DailyMed: http://dailymed.nlm.nih.gov – Some drug listings include clinical pharmacology and studies (e.g. gilenya)
Links and More Links

Additional Evidence Based Resources

- Centre for Evidence-based Medicine (CEBM): http://www.cebm.net – The University of Oxford offers education, training, resources, and a blog
- Cochrane: Trusted evidence; Informed decisions; Better health: http://www.cochrane.org
  - Cochrane Community: http://community.cochrane.org
  - Cochrane Library: http://www.cochranelibrary.com

Research guides (LibGuides)

- UIC Evidence Based Medicine: http://researchguides.uic.edu/ebm
- UIC Evidence Based Practice tutorials: http://researchguides.uic.edu/ebp
- UIC Knowledge Translation in Evidence-Informed Practice for Public Health Nurses (KTEP-PHN): http://researchguides.uic.edu/ktep
- UIC Nursing Experts: Translating the Evidence http://researchguides.uic.edu/NExT
- UM Evidence Based Practice for Public Health: http://library.umassmed.edu/ebpph

Happy Searching!

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*P.S. If you are wondering why PubMed MeSH (Medical Subject Headings) does not include a Systematic Review publication type, I’ll have to get back to you. Possibly it is because of the many types of reviews and the varied quality of systematic reviews. Note: searching with Review (Publication Format), does not automatically retrieve Meta-Analysis (Study Characteristic). The comprehensive search strategy used to create the systematic reviews subset on PubMed is at: http://www.nlm.nih.gov/bsd/pubmed_subsets/sysreviews_strategy.html

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